WE CLAIM:

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 A printhead assembly which comprises an elongate support structure; and

at least one elongate printhead module positioned on the support structure, along a length of the support structure, the, or each, printhead module comprising

a supply structure that is connectable to at least an ink supply and defines a plurality of outlets for the supply of at least ink;

a micromolded ink distribution assembly that is positioned on the supply structure, the ink distribution assembly defining a mounting formation to permit a printhead chip to be mounted on the ink delivery assembly, a plurality of ink inlets that are in fluid communication with the outlets of the supply structure, a plurality of exit holes and tortuous ink flow paths from each ink inlet to a number of respective exit holes; and

a printhead chip that is mounted on the ink distribution assembly so that the ink can be fed from the exit holes to the printhead chip.

- 2. A printhead assembly as claimed in claim 1, in which at least a portion of the ink distribution assembly is of a liquid crystal polymer.
- 3. A printhead assembly as claimed in claim 2, in which the ink distribution assembly includes a lower micromolding that is positioned on the support structure, the lower micromolding defining a plurality of ink inlets and a plurality of ink chambers in fluid communication with respective ink inlets, and an upper micromolding, the upper micromolding also defining a plurality of ink inlets in fluid communication with respective ink chambers and the exit holes in fluid communication with respective ink inlets.
- 4. A printhead assembly as claimed in claim 3, in which the upper micromolding is of a liquid crystal polymer.
- 5. A printhead assembly as claimed in claim 3, in which the upper and lower micromoldings are of a liquid crystal polymer.

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- 6. A printhead assembly as claimed in claim 3, in which a film layer is interposed between the upper and lower micromoldings, the film layer defining a plurality of openings that permit ink flow from the lower to the upper micromolding.
- 5 7. A printhead assembly as claimed in claim 6, in which the openings of the film layer are the result of a laser ablation process carried out on the film layer.
 - 8. An ink distribution assembly for an ink jet printhead assembly having an elongate support structure, at least one elongate printhead module positioned on the support structure, along a length of the support structure, the, or each, printhead module having a supply structure that is connectable to at least an ink supply and defines a plurality of outlets for the supply of at least ink, the ink distribution assembly being micromolded and defining a mounting formation to permit a printhead chip to be mounted on the ink delivery assembly, a plurality of ink inlets that are in fluid communication with the outlets of the supply structure, in use, a plurality of exit holes and tortuous ink flow paths from each ink inlet to a number of respective exit holes.

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